**Poster Rubric**

• \_Teams will submit a digital/electronic (PDF or PowerPoint) copy of their posters

Posters will be assessed in the following categories:

o **Poster Content & Layout**

o **Mechanics**

o **Graphics**

• \_Posters are limited to static text, pictures, and graphics. NO animation or video is allowed. Significant points will be deducted for adding any type of animation.

• \_Posters must be solely a product of the students' own efforts, ideas, and designs.

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| **Poster Content & Layout Element Descriptors** | **4**  **Points** | **3**  **Points** | **2**  **Points** | **1**  **Point** |
| **Required Elements** | The poster includes 100% of the required elements (see Glossary). | The poster includes less than 100% but does include at least 75% of the required elements (see Glossary). | The poster includes less than 75% but does include at least 50% of the required elements (see Glossary). | The poster includes less than 50% of the required elements (see Glossary). |
| **Accuracy of Design Explanation** | The poster includes a minimum of 7 accurate descriptions of the team’s robot and demonstrates an exceptional understanding of the design. | The poster includes a minimum of 5-6 accurate descriptions of the team’s Robot and demonstrates proficient understanding of the design. | The poster includes a minimum of 3-4 accurate descriptions of the team’s Robot and demonstrates moderate understanding of the design. | The poster includes less than 3 descriptions of the team’s Robot and demonstrates a minor understanding of the design. |
| **Design Engineering Concepts Explanation** | The poster articulates an exceptional understanding of the application of engineering, mathematical, and physics concepts to design. | The poster articulates a thorough understanding of the application of engineering, mathematical, and physics concepts to design. | The poster articulates some understanding of the application of engineering, mathematical, and physics concepts to design. | The poster articulates few elements of engineering, mathematical, and physics concepts. |
| **Application of Project Emphasis to Engineering Design Process** | The poster includes 3 or more specific examples that clearly demonstrate a connection between the Robot project and Engineering Design Process | The poster includes 2 specific examples that somewhat demonstrate a connection between the Robot project and Engineering Design Process | The poster includes 1 specific examples that loosely demonstrate a connection between the Robot project and Engineering Design Process | The poster lacks examples that demonstrate a connection between the Robot project and Engineering Design Process |
| **Knowledge Gained** | The poster clearly describes 2 or more specific examples of concepts and/or techniques learned by the team. | The poster clearly describes 1 specific example of concepts and/or techniques learned by the team. | The poster roughly describes 1 example of concepts and/or techniques learned by the team. | The poster does not describe examples of concepts and/or techniques. |
| **Mechanics Element Descriptors** | **4 Points** | **3 Points** | **2 Points** | **1 Point** |
| **Grammar** | The poster contains no more than 1 grammatical mistake. | The poster contains 2 grammatical mistakes. | The poster contains 3 grammatical mistakes. | The poster contains more than 3 grammatical mistakes. |
| **Organization** | The poster is exceptionally well organized in terms of design, layout, and neatness and has an overall professional appearance. | The poster is well organized in terms of design, layout, and neatness and has somewhat of a professional appearance. | The poster is acceptably organized in terms of design and layout however it lacks a professional appearance and/or neatness. | The poster is poorly organized. |

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| **Graphics Element Descriptors** | **4 Points** | **3 Points** | **2 Points** | **1 Point** |
| **Clarity, Relevance,**  **& Originality** | Graphics are focused and related to the topical matter of the discussion. Borrowed graphics are properly cited.  All the important items are clearly labeled on the poster. Several graphics utilized by the team exhibit exceptional creativity. | Graphics are fairly focused and related to the topical matter of the discussion. Borrowed graphics are properly cited.  Most of the important items are clearly labeled on the poster. One or two of the graphics utilized by the team exhibit creativity. | Graphics are moderately focused and related to the topical matter of the discussion. Most of the borrowed graphics are properly cited. 50% of the important items are clearly labeled on the poster. Team utilized graphics, however only moderate creative initiative was taken | Graphics are not focused nor related to the topical matter of the discussion. Significant amounts of the borrowed graphics are improperly cited. Less than 50% of the important items are clearly labeled on the poster. The team utilized few to no graphics and little to no creative initiative was taken. |

**Glossary of Terms** /**Required Elements:**

Minimum of 10 slides

Names and Bios of team members

Pictures of Robot Design

Engineering Design Process

Knowledge Gained

Graphics

Citations